

# [Mercury(ii) iodide hgi2 structure](https://assignbuster.com/mercuryii-iodide-hgi2-structure/)

Contents

* Safety:

|  |  |
| --- | --- |
| Molecular Formula  | HgI 2  |
| Average mass  | 454. 399 Da  |
| Density  |  |
| Boiling Point  |  |
| Flash Point  |  |
| Molar Refractivity  |  |
| Polarizability  |  |
| Surface Tension  |  |
| Molar Volume  |  |

* Experimental data
* Predicted – ACD/Labs
* Predicted – ChemAxon
* Experimental Physico-chemical Properties

## Experimental Melting Point:

|  |
| --- |
| 259 °CAlfa Aesar13625,  |
| 259 °CAlfa Aesar12289, A16130  |

## Experimental Boiling Point:

|  |
| --- |
| 350 °C (Sublimes)Alfa Aesar13625,  |
| 350 °C (Sublimes)Alfa Aesar12289, A16130  |

## Experimental Gravity:

|  |
| --- |
| 6. 28 g/mLAlfa Aesar12289, A16130  |

## Experimental Solubility:

|  |
| --- |
| Practically insoluble in water. Soluble in boiling alcohol, ether, acetone, ethyl acetate, carbon disulfide, alkali iodidesAlfa Aesar12289  |

* Miscellaneous

## Safety:

|  |
| --- |
| 13-28-45-60-61Alfa AesarA16130, 12289  |
| 26/27/28-33-50/53Alfa AesarA16130, 12289  |
| 6. 1Alfa AesarA16130  |
| DangerAlfa AesarA16130  |
| DANGER: POISON, causes CNS injuryAlfa AesarA16130, 12289, 13625  |
| H300-H310-H330-H373-H400-H410Alfa AesarA16130  |
| P260-P301+P310-P304+P340-P320-P330-P361-P405-P501aAlfa AesarA16130  |

Predicted data is generated using the ACD/Labs Percepta Platform – PhysChem Module

|  |  |
| --- | --- |
| Density:  |  |
| Boiling Point:  |  |
| Vapour Pressure:  |  |
| Enthalpy of Vaporization:  |  |
| Flash Point:  |  |
| Index of Refraction:  |  |
| Molar Refractivity:  |  |
| #H bond acceptors:  | 0  |
| #H bond donors:  | 0  |
| #Freely Rotating Bonds:  | 0  |
| #Rule of 5 Violations:  |  |

|  |  |
| --- | --- |
| ACD/LogP:  |  |
| ACD/LogD (pH 5. 5):  |  |
| ACD/BCF (pH 5. 5):  |  |
| ACD/KOC (pH 5. 5):  |  |
| ACD/LogD (pH 7. 4):  |  |
| ACD/BCF (pH 7. 4):  |  |
| ACD/KOC (pH 7. 4):  |  |
| Polar Surface Area:  | 0 Å 2  |
| Polarizability:  |  |
| Surface Tension:  |  |
| Molar Volume:  |  |

Click to predict properties on the Chemicalize site